



# **Bypass Safety Device Training**

## **Richmond Refinery**



# Bypass Safety Device Purpose

- When there is a need to bypass a safety device for the purpose of repair or replacement of the device a Bypass Safety Device must be completed.
- This form is a means to document why the safety device is to be bypassed
- Means to gain approval to bypass a safety device.
- These forms are stored in PSM history just as the current MOC's are stored and can be referenced later.



# Bypass Safety Device Background

- Recent OE/PSM Audit findings showed that different methods of tracking and approving bypassed safety devices were being used throughout the Refinery
- An action item was issued from this audit to standardize how we track and approve these temporary change



# Bypass Safety Device Training

A new database has been developed and is accessible from the PSM Database. Some of the benefits of the new database are:

- Standardized work process.
- Electronic form and filing.
- Notifies approvers by email.
- Simple one page design that captures all the PSM/MOC requirements of Section 1, Section 2 Stages 1, 2 & 3.
- Easy access for all users.
- Streamlines auditing processes.
- Can be utilized on any shift. Refinery Shift Leader assumes the Operations Manager approval role on night shifts or weekends.



# Access to form from PSM Database

RIC841 PSM - [Option]

Type a question for help

## Program Options

MOC	PSSR
EOM	Refinery Instruction
EWO	Procedure
Leak Seal	Audit
Building Permit	Bypass Safety Device
Refinery Audits	

Outstanding PSSR Type I and II    Outstanding PSSR Type III

Quit

Select Bypass Safety Device

## Selection Options

Please enter selection criteria to view Bypass Safety Device record(s)

Record Number:	<input type="text"/>	
ABU:	<input type="text"/>	Plant: <input type="text"/>
Originator:	<input type="text"/>	Status: <input type="text"/>
Equipment Title:	<input type="text"/>	Year: <input type="text" value="2007"/>

Search
New Entry
Reset
Return
Quit

Select New Entry

Or Search for an  
existing record

RIC841 PSM - [Bypass Safety]

Type a question for help

Return Notify

Record Number: 9

ABU:

Deviation Type: Temporary

Equipment Title:

Technical Basis For Changes:

Mitigation Steps:

Expiration Date:

Originator: Lassen, William G.

Plant:

Date Issued: 10/25/2007

Status: Open

Complete all sections marked in red

Expiration date can not be changed once approved for Start-Up and will show as an overdue Temp MOC on the HES Dashboard when expired

	Person Responsible	Notified On	Completed By	Completed On
HSE	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Communcation	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
PSSR	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Approval to Implement Change and Start-Up

Head Operator:

ABU Manager/Delegate:

Operatons Manager:

Change Removed, System Restored To Normal Condition, Turnovers Updated and Change Communicated To Affected Personnel

Communcation

Overseer: Lassen, William G.

Signature

Signature

Signature

Signature

Assign Reviews

RIC841 PSM - [Bypass Safety]

Type a question for help

Return

Notif

Click Notify

Record Number: 9

Originator: Lassen, William G.

Date Issued: 10/25/2007

ABU: U&E

Plant: Cogen

Status: Open

Deviation Type: Temporary

Expiration Date: 5/31/2007

Equipment Title: CGT-1000

Technical Basis For Changes: Vibration probe XYZ is B/O and giving a false positive reading. Probe can not be changed out on the run.

Mitigation Steps: Place probe XYZ in bypass and change voting logic for train trip from 2/3 to 2/2.  
Replace probe during C-inspection S/D.

	Person Responsible	Notified On	Completed By	Completed On
HSE	Zimmerman, Douglas A.	10/25/2007		
Communcation	Stewart, John J.	10/25/2007		
PSSR	Sibbitt, Michael A.	10/25/2007		

This section will be notified

Approval to Implement Change and Start-Up

Head Operator: Elsts, Arnold

ABU Manager/Delegate: Buchanan, John

Operatons Manager: Coyle, Michael E.

Signature

Signature

Signature

Change Removed, System Restored To Normal Condition, Turnovers Updated and Change Communicated To Affected Personnel

Communcation

Overseer: Lassen, William G.

Signature



RIC841 PSM - [Bypass Safety]

Type a question for help

[Return](#) [Notif](#)

Record Number:  Originator:  Date Issued:  Status:

ABU:  Plant:

Deviation Type:  Expiration Date:

Equipment Title:

Technical Basis For Changes:

Mitigation Steps:

Status changes from Open to In-Progress

	Person Responsible	Notified On	Completed By	Completed On
<a href="#">HSE</a>	<input type="text" value="Zimmerman, Douglas A."/>	<input type="text" value="10/25/2007"/>	<input type="text" value="Lassen, William G."/>	<input type="text" value="10/25/2007"/>
<a href="#">Communcation</a>	<input type="text" value="Stewart, John J."/>	<input type="text" value="10/25/2007"/>	<input type="text" value="Lassen, William G."/>	<input type="text" value="10/25/2007"/>
<a href="#">PSSR</a>	<input type="text" value="Sibbitt, Michael A."/>	<input type="text" value="10/25/2007"/>	<input type="text" value="Lassen, William G."/>	<input type="text" value="10/25/2007"/>

Complete reviews and click Notify or Return

[Approval to Implement Change and Start-Up](#)

Head Operator:     [Signature](#)

ABU Manager/Delegate:     [Signature](#)

Operatons Manager:     [Signature](#)

Change Removed, System Restored To Normal Condition, Turnovers Updated and Change Communicated To Affected Personnel

[Communcation](#)

Overseer:     [Signature](#)

This section will be notified

RIC841 PSM - [Bypass Safety]

Type a question for help

Return

Notify

Record Number:

9

Originator:

Lassen, William G.

Date Issued:

10/25/2007

ABU:

U&E

Plant:

Cogen

Status:

In-Progress

Deviation Type:

Temporary

Expiration Date:

5/31/2007

Equipment Title:

CGT-1000

Technical Basis For Changes:

Vibration probe XYZ is B/O and giving a false positive reading. Probe can not be changed out on the run.

Mitigation Steps:

Place probe XYZ in bypass and change voting logic for train trip from 2/3 to 2/2.  
Replace probe during C-inspection S/D.

	Person Responsible	Notified On	Completed By	Completed On
HSE	Zimmerman, Douglas A.	10/25/2007	Lassen, William G.	10/25/2007
Communcation	Stewart, John J.	10/25/2007	Lassen, William G.	10/25/2007
PSSR	Sibbitt, Michael A.	10/25/2007	Lassen, William G.	10/25/2007

Approval to Implement Change and Start-Up

Head Operator:

Elsts, Arnold

10/25/2007

Lassen, William G.

10/25/2007

Signature

ABU Manager/Delegate:

Buchanan, John

10/25/2007

Lassen, William G.

10/25/2007

Signature

Operatons Manager:

Coyle, Michael E.

10/25/2007

Lassen, William G.

10/29/2007

Signature

Change Removed, System Restored To Normal Condition, Turnovers Updated and Change Communicated To Affected Personnel

Communcation

Carter, Mark A.

10/29/2007

Overseer:

Lassen, William G.

Signature

Approval to Implement Change and Start-up

This review will be notified for communication of change removed

CUSA-CSB-0084559  
EPA

RIC841 PSM - [Bypass Safety]

Type a question for help

Return

Notify

Record Number:

9

Originator:

Lassen, William G.

Date Issued:

10/25/2007

ABU:

U&E

Plant:

Cogen

Status:

In-Progress

Deviation Type:

Temporary

Expiration Date:

5/31/2007

Equipment Title:

CGT-1000

Technical Basis For Changes:

Vibration probe XYZ is B/O and giving a false positive reading. Probe can not be changed out on the run.

Mitigation Steps:

Place probe XYZ in bypass and change voting logic for train trip from 2/3 to 2/2.  
Replace probe during C-inspection S/D.

	Person Responsible	Notified On	Completed By	Completed On
HSE	Zimmerman, Douglas A.	10/25/2007	Lassen, William G.	10/25/2007
Communcation	Stewart, John J.	10/25/2007	Lassen, William G.	10/25/2007
PSSR	Sibbitt, Michael A.	10/25/2007	Lassen, William G.	10/25/2007

Approval to Implement Change and Start-Up

Head Operator:

Elsts, Arnold

10/25/2007

Lassen, William G.

10/25/2007

Signature

ABU Manager/Delegate:

Buchanan, John

10/25/2007

Lassen, William G.

10/25/2007

Signature

Operatons Manager:

Coyle, Michael E.

10/25/2007

Lassen, William G.

10/29/2007

Signature

Change Removed, System Restored To Normal Condition, Turnovers Updated and Change Communicated To Affected Personnel

Communcation

Carter, Mark A.

10/29/2007

Lassen, William G.

10/29/2007

Overseer:

Lassen, William G.

10/29/2007

Signature

The overseer will be notified

CUSA-CSB-0084560  
EPA

Return

Notify

Record Number: 9

Originator: Lassen, William G.

Date Issued: 10/25/2007

ABU: U&amp;E

Plant: Cogen

Status: Closed

Deviation Type: Temporary

Expiration Date: 5/31/2007

Equipment Title: CGT-1000

Technical Basis For Changes: Vibration probe XYZ is B/O and giving a false positive reading. Probe can not be changed out on the run.

Mitigation Steps: Place probe XYZ in bypass and change voting logic for train trip from 2/3 to 2/2.  
Replace probe during C-inspection S/D.

Status changes from In-Progress to Closed

Person Responsible

Notified On

Completed By

Completed On

HSE

Zimmerman, Douglas A.

10/25/2007

Lassen, William G.

10/25/2007

Communcation

Stewart, John J.

10/25/2007

Lassen, William G.

10/25/2007

PSSR

Sibbitt, Michael A.

10/25/2007

Lassen, William G.

10/25/2007

Approval to Implement Change and Start-Up

Head Operator: Elsts, Arnold

10/25/2007

Lassen, William G.

10/25/2007

Signature

ABU Manager/Delegate: Buchanan, John

10/25/2007

Lassen, William G.

10/25/2007

Signature

Operatons Manager: Coyle, Michael E.

10/25/2007

Lassen, William G.

10/29/2007

Signature

Change Removed, System Restored To Normal Condition, Turnovers Updated and Change Communicated To Affected Personnel

Communcation

Carter, Mark A.

10/29/2007

Lassen, William G.

10/29/2007

Overseer: Lassen, William G.

10/29/2007

Lassen, William G.

10/29/2007

Signature

The overseer will be the final sign-off



# Questions/Concerns/Comments?

Contact your local WPIA

- B&S/U&E @ 2-5620
- D&R @ 2-6427
- Cracking @ 2-2271
- Hydro @ 2-3224

PSM Specialist @ 2-5098

PSM Coordinator @ 2-1862

Database issues @ 2-2935